TRIP REPORT

CORNING GLASS WORKS
Corning, N.Y.

REPORT BY: F.F.Doggett

DATE OF CONTACT: 5/23/52
DATE OF REPORT: 6/16/52

PERSONS CONTACTED:

J.R. Bucher - Sales Engineer
A.J.Werner - Research Engineer

This trip was taken for the purpose of expediting the delivery of filters for our colorimeters and to discuss the design of a set of filters with higher transmission characteristics.

1. Disposition of Present Order for Filters:

According to Mr. J. R. Bucher of the Corning Sales Engineering Department, the balance of filters on order were completed except for the cementing of the component filter glasses and would be delivered very soon. Subsequently, Corning advised us by letter that they were out of stock on one of the glass components and would complete our order early in July.

2. Design of New Filters:

In a discussion with Mr. A. J. Werner it was determined that a set of filters with higher transmission characteristics could be designed without any increase in inherent filter errors. Corning agreed to design the filters on a basis of a maximum error of 0.002 in the x and y coordinates of the Chromaticity Diagram. The filter design to be based on the use of the latest sensitivity curve of the General Electric photocell. Spectral energy curves for a bogie tube and a number of other tubes located around the edges of our color box would be used to compute the errors in a filter design. Filters of the above design would represent the best that could be expected from glass filters at the present time. Accordingly the Purchasing Department was requested to obtain a quotation from Corning on the cost of an experimental set of the above filters.

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Engineering, CATHODE RAY TUBES

FFD/V

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